

The graph shows the diffraction efficiency $\eta\%$ as a function of the depth of phase grating ϕ_0 for a sinusoidal grating. The x-axis represents ϕ_0 from 0 to 2π , with major ticks at 0 , $(\frac{1}{3})\pi$, π , 1.67π , and 2π . The y-axis represents $\eta\%$ from 0 to 100. Two curves are plotted: ORDER 0 (squares) and ORDER 1 (diamonds). ORDER 0 starts at 100% at $\phi_0 = 0$ and decreases to a minimum near $\phi_0 = \pi$ before rising back to 100% at $\phi_0 = 2\pi$. ORDER 1 starts at 0% at $\phi_0 = 0$ and increases to a maximum near $\phi_0 = \pi$ before decreasing back to 0% at $\phi_0 = 2\pi$.

Depth of Phase Grating ϕ_0	ORDER 0 Efficiency $\eta\%$	ORDER 1 Efficiency $\eta\%$
0	100	0
$(\frac{1}{3})\pi$	~85	~15
π	~10	~45
1.67π	~85	~15
2π	100	0

0.6mm

0.4 μm

0.74 μm

DVD-ROM

FIG. 5C

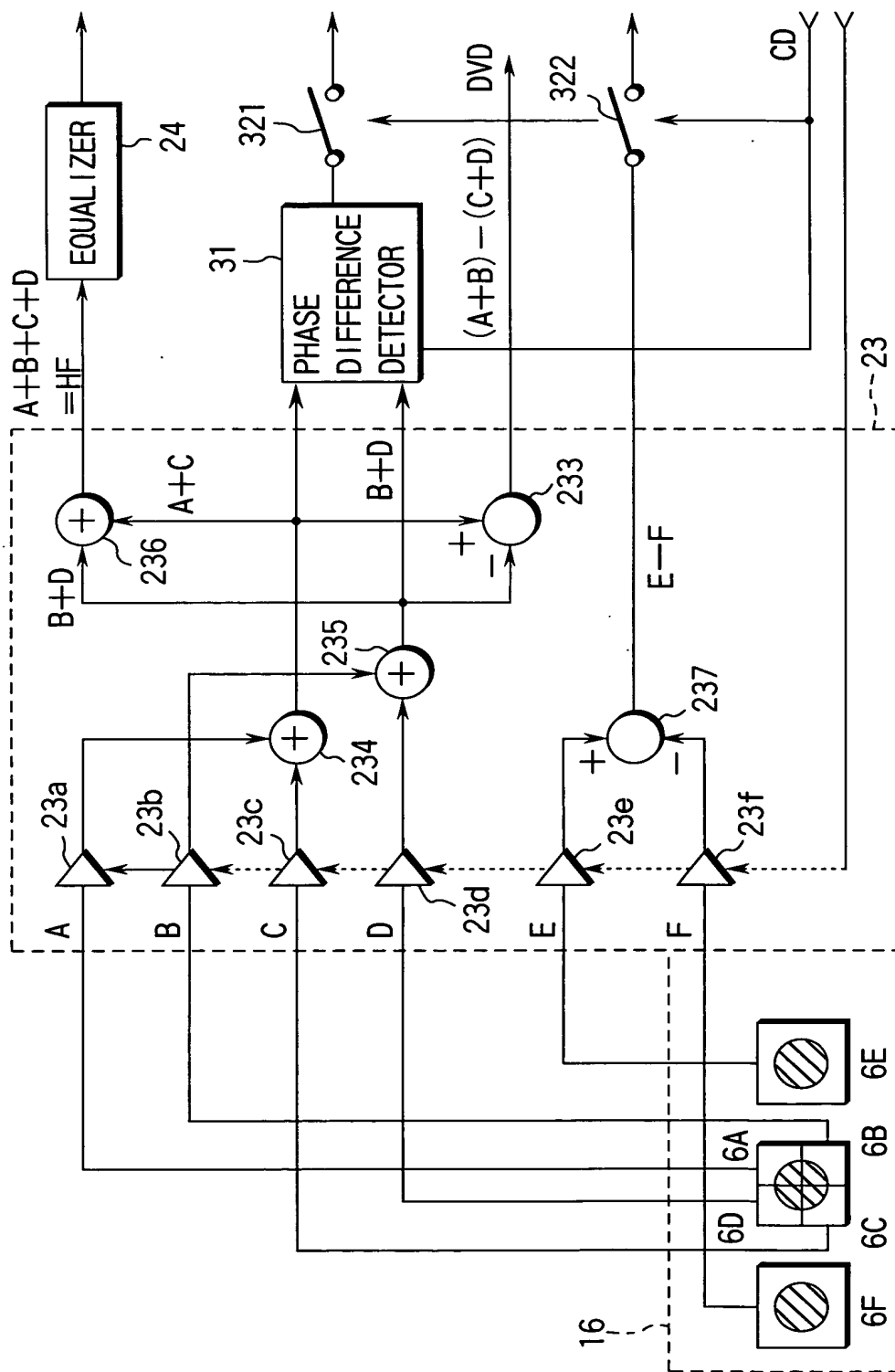


FIG. 6

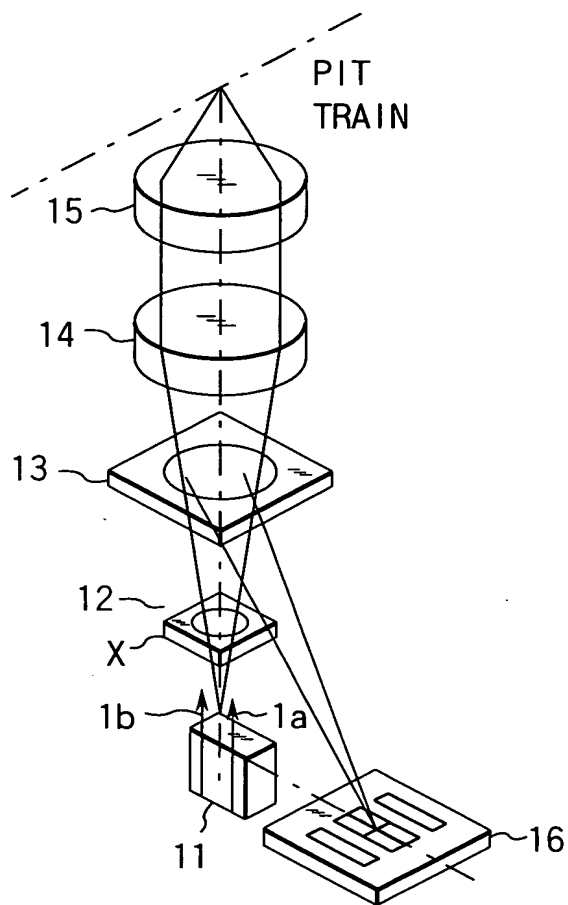


FIG. 7A

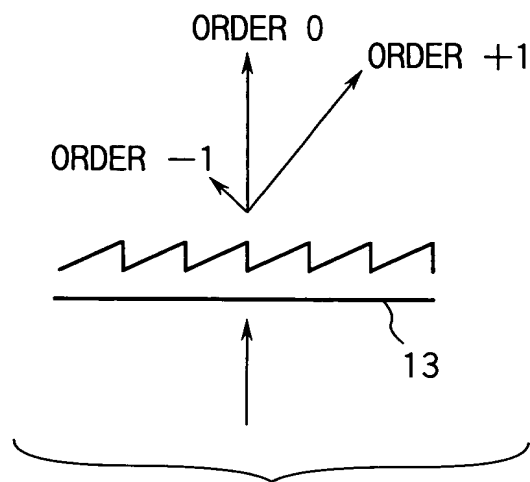


FIG. 7B

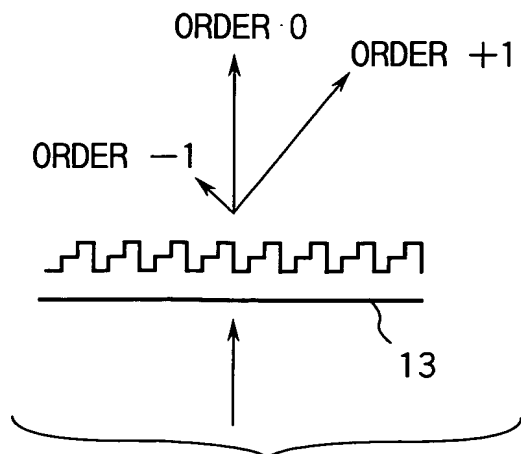


FIG. 7C

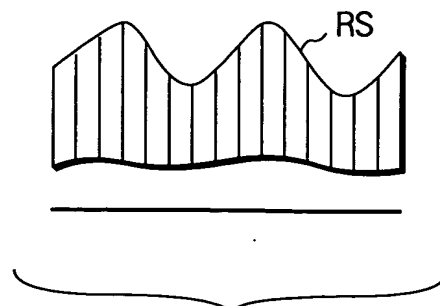


FIG. 7D

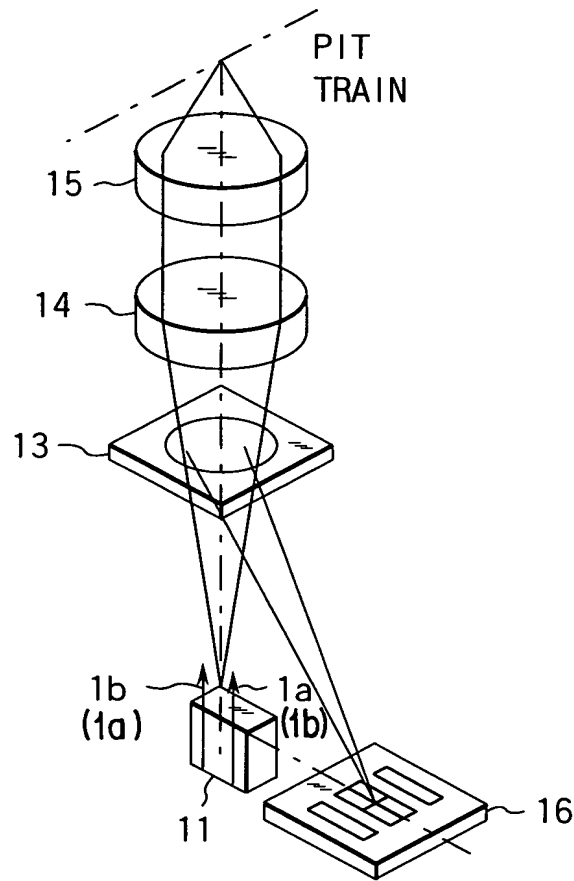


FIG. 8A

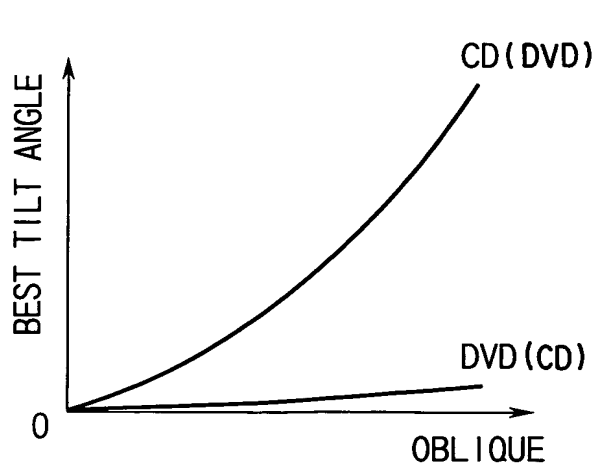


FIG. 8B

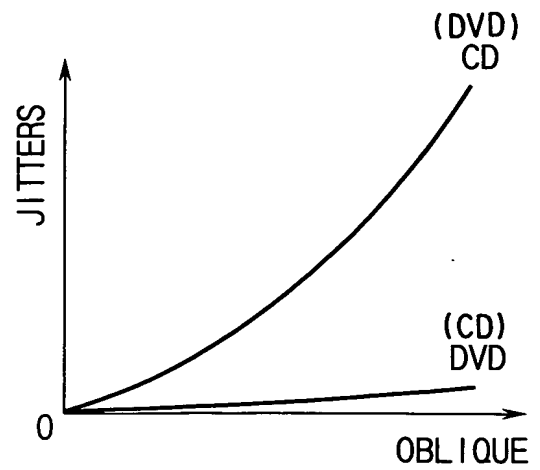


FIG. 8C

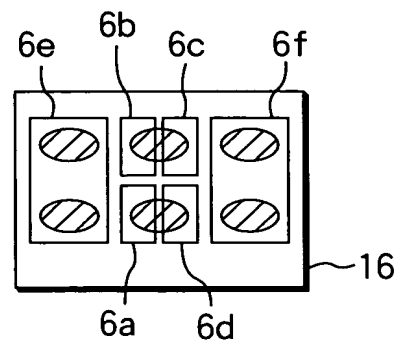


FIG. 11A

FIG. 11B

FIG. 11C

FIG. 11D

